

IES INDOOR REPORT

PHOTOMETRIC FILENAME : C65-2-LSSC-ED-1-PCWD_4000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 70.402.24.061.69-08

[TESTLAB] Bay Area Compliance Labs Corp. (FOR CURRENT)

[TESTDATE] 2025-1-2

[ISSUEDATE] 2025-01-24 14:29:27

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] COLUMBIA LIGHTING

[LUMCAT] C65-1-LSSC-ED-2-PCWD_4000K

[LUMINAIRE] C65-LSCS Linear High Bay, Size 2, Switchable Lumen & CCT, 120-277V

[BALLASTCAT] LF-FCA320

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor Ambient Direct

[_SEARCH_MOUNTING] Surface, Suspended

[_SEARCH_COLOR TEMP] 4000K

[_SEARCH_CRI] 80

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
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[OTHER]	0- 10	1092.17	1092.17	3.50	3.50
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[OTHER]	10- 20	3160.03	4252.19	13.62	13.62
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[OTHER]	20- 30	4882.17	9134.36	29.26	29.26
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[OTHER]	30- 40	5944.96	15079.32	48.31	48.31
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[OTHER]	40- 50	6007.99	21087.32	67.55	67.55
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[OTHER]	50- 60	5067.34	26154.65	83.79	83.79
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[OTHER]	60- 70	3313.83	29468.48	94.40	94.40
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[OTHER]	70- 80	1457.92	30926.41	99.07	99.07
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[OTHER]	80- 90	271.27	31197.67	99.94	99.94
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[OTHER]	90-100	1.40	31199.07	99.95	99.95
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[OTHER]	100-110	1.17	31200.24	99.95	99.95
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[OTHER]	110-120	1.74	31201.98	99.96	99.96
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[OTHER]	120-130	2.50	31204.47	99.96	99.96
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[OTHER]	130-140	3.05	31207.52	99.97	99.97
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[OTHER]	140-150	3.13	31210.65	99.98	99.98
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[OTHER]	150-160	2.73	31213.38	99.99	99.99
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[OTHER]	160-170	1.71	31215.10	100.00	100.00
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[OTHER]	170-180	0.49	31215.59	100.00	100.00
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[OTHER]

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CHARACTERISTICS

Lumens Per Lamp	31216 (1 lamp)
Total Lamp Lumens	31216
Luminaire Lumens	31216
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	151
Total Luminaire Watts	206.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.34
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.28 m
Luminous Width (90-270)	0.55 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	76116	70781	62164
55	72266	60574	54658
65	61914	47876	39960
75	43730	31018	23697
85	19079	13354	8943

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CANDELA TABULATION

	<u>0</u>	<u>15</u>	<u>30</u>	<u>45</u>	<u>60</u>	<u>75</u>	<u>90</u>	<u>105</u>	<u>120</u>	<u>135</u>
0	11523.05	11523.05	11523.05	11523.05	11523.05	11523.05	11523.05	11523.05	11523.05	11523.05
1	11520.88	11521.71	11532.69	11495.08	11498.35	11514.53	11477.53	11539.46	11511.82	11494.54
2	11481.32	11516.14	11537.78	11495.83	11461.06	11504.73	11475.54	11520.42	11493.56	11461.00
3	11503.67	11505.12	11525.28	11505.27	11454.62	11483.56	11494.90	11491.51	11464.86	11452.50
4	11504.88	11461.21	11512.29	11496.65	11469.56	11445.89	11482.35	11457.01	11438.28	11459.55
5	11492.54	11473.49	11469.71	11459.43	11464.23	11464.25	11460.17	11459.65	11442.44	11462.26
6	11478.00	11465.20	11465.20	11427.45	11440.46	11454.61	11421.05	11472.06	11413.54	11435.57
7	11462.71	11446.02	11457.19	11431.88	11394.81	11431.40	11428.63	11446.61	11403.06	11414.10
8	11439.63	11391.01	11443.25	11430.48	11378.05	11395.55	11390.42	11401.16	11350.14	11410.31
9	11416.00	11387.87	11419.08	11409.08	11366.23	11329.35	11335.87	11343.22	11328.76	11382.77
10	11392.56	11369.27	11394.01	11353.02	11329.00	11310.80	11266.26	11327.77	11312.44	11341.53
11	11329.58	11342.12	11367.48	11317.04	11268.67	11282.13	11248.27	11291.95	11266.73	11281.82
12	11326.63	11313.15	11339.16	11283.07	11206.88	11243.02	11254.46	11255.91	11211.62	11236.80
13	11300.32	11279.75	11275.49	11241.03	11178.92	11187.62	11221.38	11213.67	11168.33	11214.88
14	11268.53	11246.96	11244.96	11197.03	11167.84	11153.44	11173.92	11159.15	11159.52	11166.42
15	11227.93	11206.33	11210.51	11135.16	11138.20	11148.61	11105.57	11133.04	11129.02	11108.95
16	11151.10	11163.59	11160.72	11095.62	11091.73	11108.15	11069.29	11110.83	11085.27	11067.78
17	11128.96	11113.59	11105.89	11067.47	11035.57	11055.84	11042.27	11053.36	11025.60	11040.19
18	11086.38	11032.15	11051.14	11031.61	11002.74	10999.99	10983.63	10980.54	10969.06	10995.96
19	11035.32	10999.73	10964.52	10967.29	10950.43	10941.54	10912.08	10899.50	10934.59	10940.87
20	10984.22	10954.32	10913.43	10914.91	10868.66	10883.82	10824.16	10852.91	10872.69	10880.36
21	10894.76	10901.75	10863.66	10869.84	10797.57	10818.48	10772.16	10812.90	10807.99	10804.09
22	10863.38	10810.69	10805.26	10806.18	10752.24	10745.51	10725.98	10737.97	10738.69	10732.87
23	10808.91	10738.14	10720.79	10732.64	10688.25	10664.43	10642.22	10647.68	10665.90	10682.15
24	10742.33	10699.83	10668.08	10634.59	10616.15	10581.02	10542.54	10552.79	10582.20	10606.24
25	10638.09	10641.71	10612.61	10536.16	10525.63	10487.03	10424.46	10488.60	10496.53	10511.26
26	10552.40	10565.19	10549.10	10467.39	10411.57	10389.85	10339.75	10393.41	10390.93	10419.72
27	10506.56	10452.18	10471.62	10403.95	10319.30	10294.70	10257.89	10290.69	10289.87	10354.19
28	10430.04	10353.16	10390.22	10321.27	10243.37	10185.98	10137.27	10175.74	10209.90	10282.51
29	10345.13	10283.73	10273.70	10215.65	10145.47	10068.50	9981.66	10046.06	10105.47	10185.57
30	10254.86	10202.55	10188.47	10099.48	10022.16	9939.56	9849.36	9942.36	9989.10	10073.51
31	10134.68	10109.24	10096.97	10010.83	9878.68	9799.42	9711.01	9798.20	9857.31	9967.85
32	10063.45	9986.46	9992.66	9914.28	9758.70	9618.18	9572.31	9638.23	9706.73	9872.34
33	9975.78	9901.59	9858.97	9805.01	9640.16	9454.17	9387.50	9448.37	9587.42	9759.65
34	9874.51	9803.74	9755.01	9681.58	9493.19	9305.12	9182.54	9286.50	9456.90	9638.39
35	9768.60	9699.95	9657.14	9541.73	9327.68	9132.45	9003.12	9115.95	9291.83	9506.11
36	9622.64	9553.95	9543.26	9405.19	9137.84	8947.62	8834.21	8923.68	9102.47	9358.37
37	9520.13	9424.65	9419.34	9273.52	8955.84	8753.34	8638.14	8716.50	8903.86	9211.07
38	9403.13	9324.44	9276.29	9124.56	8797.07	8533.50	8427.82	8506.46	8723.35	9075.09
39	9277.62	9201.49	9148.39	8960.34	8607.45	8354.09	8197.12	8317.03	8542.58	8907.21
40	9119.29	9076.24	9012.22	8787.94	8405.64	8147.09	7981.97	8123.84	8343.59	8721.02
41	8977.23	8942.36	8867.86	8592.38	8193.98	7925.76	7765.98	7897.82	8132.45	8537.49
42	8860.91	8776.49	8688.02	8397.94	8004.71	7689.32	7522.83	7648.43	7916.64	8355.63
43	8721.65	8643.31	8519.78	8197.95	7794.46	7449.58	7279.10	7388.21	7721.07	8147.09
44	8565.05	8498.71	8363.41	7991.52	7569.56	7208.86	7044.12	7163.51	7516.89	7933.67
45	8382.23	8339.59	8208.41	7794.76	7328.74	6985.71	6845.81	6957.53	7278.54	7709.19
46	8233.65	8153.82	8034.12	7586.10	7067.70	6772.19	6667.67	6742.08	7028.51	7491.76
47	8043.65	7971.55	7830.88	7367.19	6839.40	6553.28	6474.32	6537.02	6780.71	7291.54
48	7884.48	7814.33	7624.77	7149.34	6609.77	6357.58	6276.16	6331.97	6560.20	7074.05
49	7706.71	7637.71	7431.14	6911.18	6377.23	6174.43	6070.69	6147.41	6331.94	6853.19
50	7519.96	7430.78	7229.30	6672.38	6140.81	5984.97	5894.82	5942.49	6103.56	6609.57
51	7324.47	7225.20	7007.12	6440.86	5932.07	5790.07	5701.34	5738.72	5883.15	6367.49
52	7119.32	7017.43	6773.67	6188.00	5736.66	5573.85	5503.68	5537.66	5677.54	6128.48
53	6913.90	6827.87	6521.71	5926.50	5531.38	5388.84	5294.72	5355.10	5478.90	5875.02

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CANDELA TABULATION - (Cont.)

54	6678.56	6618.71	6266.26	5656.90	5316.11	5192.10	5096.70	5157.13	5260.23	5616.10
55	6455.48	6382.86	6029.94	5411.01	5091.83	4982.93	4882.57	4940.20	5045.41	5355.98
56	6251.16	6150.32	5794.17	5181.96	4895.32	4769.44	4668.44	4723.27	4837.81	5128.78
57	6011.85	5933.41	5535.05	4946.80	4684.62	4541.35	4454.10	4506.16	4630.22	4898.31
58	5792.78	5704.90	5279.93	4710.50	4471.54	4318.13	4220.86	4272.79	4422.57	4667.83
59	5545.36	5464.62	5033.05	4475.87	4248.94	4089.89	3997.90	4057.33	4198.79	4437.23
60	5300.17	5221.83	4789.41	4255.45	4022.77	3858.83	3757.73	3821.32	3964.17	4199.25
61	5075.78	4963.13	4536.32	4030.39	3787.54	3608.19	3520.26	3581.09	3734.00	3978.09
62	4835.71	4722.91	4268.61	3804.59	3570.78	3367.96	3290.71	3340.14	3516.91	3751.62
63	4590.55	4477.63	4015.00	3584.77	3346.61	3154.47	3064.27	3120.82	3299.96	3531.86
64	4341.37	4228.31	3765.71	3364.36	3121.15	2935.93	2834.26	2910.17	3077.18	3311.16
65	4075.08	3962.58	3514.51	3151.10	2886.67	2713.35	2630.09	2687.93	2861.90	3102.93
66	3832.40	3713.78	3265.02	2936.25	2682.32	2507.81	2432.12	2477.72	2651.30	2898.16
67	3581.80	3468.94	3024.44	2724.94	2471.72	2322.74	2244.11	2283.93	2451.69	2691.51
68	3324.15	3216.76	2802.69	2516.89	2276.75	2137.84	2060.19	2107.05	2246.90	2489.45
69	3079.09	2968.67	2589.51	2320.28	2081.92	1952.95	1877.62	1930.80	2056.95	2292.15
70	2828.41	2719.13	2379.29	2124.00	1887.09	1772.03	1712.26	1758.63	1878.82	2106.29
71	2603.03	2486.83	2177.40	1927.71	1720.37	1607.16	1544.60	1593.53	1709.73	1925.65
72	2384.08	2275.62	1975.82	1744.57	1556.18	1438.16	1383.11	1429.54	1550.47	1746.55
73	2176.72	2065.08	1774.24	1568.48	1399.86	1288.32	1231.54	1282.57	1399.12	1574.17
74	1969.71	1854.54	1593.68	1404.07	1247.03	1140.97	1085.08	1135.85	1249.73	1408.25
75	1762.69	1651.56	1422.21	1250.27	1101.03	996.99	955.19	993.86	1108.57	1255.11
76	1569.41	1466.89	1262.20	1103.93	963.86	871.62	832.30	869.59	973.61	1106.07
77	1381.14	1287.79	1107.46	964.01	832.14	754.33	723.77	754.30	843.67	966.74
78	1207.78	1120.39	962.80	832.01	715.59	650.82	620.95	651.36	725.74	834.92
79	1038.99	964.20	826.17	705.94	607.12	553.24	536.65	563.79	618.98	713.06
80	887.32	819.99	695.88	590.42	510.31	463.11	452.36	476.22	531.25	601.10
81	741.87	685.72	580.33	487.67	424.02	382.53	368.36	388.98	443.52	503.54
82	607.15	560.04	466.91	393.48	344.80	307.89	293.14	312.19	356.07	406.29
83	478.27	439.35	368.92	311.13	272.11	240.25	228.45	244.53	280.28	321.91
84	360.95	327.58	280.65	240.01	213.22	190.52	170.41	182.17	210.82	247.79
85	258.97	232.51	212.04	181.26	154.75	141.38	121.39	128.78	148.57	178.43
86	184.17	166.03	143.83	122.81	96.28	92.25	91.03	94.12	100.34	114.58
87	109.69	99.83	75.62	64.35	69.25	71.39	68.38	70.50	75.36	85.81
88	35.21	33.62	33.70	39.49	37.69	24.77	45.72	46.87	50.38	57.04
89	17.99	17.18	17.15	20.20	19.26	18.24	23.07	23.25	25.40	28.26
90	0.96	0.91	0.97	0.99	0.96	12.41	0.47	0.48	0.49	0.52
91	0.80	0.75	0.72	0.70	0.69	6.57	0.49	0.50	0.52	0.54
92	0.82	0.78	0.75	0.72	0.72	0.74	0.52	0.53	0.55	0.57
93	0.84	0.80	0.77	0.75	0.76	0.77	0.56	0.57	0.58	0.61
94	0.84	0.81	0.80	0.78	0.79	0.82	0.60	0.61	0.63	0.65
95	0.84	0.82	0.81	0.80	0.83	0.86	0.65	0.66	0.68	0.70
96	0.84	0.82	0.82	0.85	0.86	0.90	0.70	0.71	0.72	0.74
97	0.85	0.83	0.83	0.87	0.91	0.94	0.74	0.76	0.77	0.76
98	0.84	0.85	0.84	0.88	0.96	0.99	0.80	0.81	0.80	0.79
99	0.83	0.85	0.84	0.89	0.99	1.03	0.85	0.85	0.83	0.82
100	0.80	0.85	0.85	0.91	1.03	1.06	0.89	0.89	0.87	0.87
101	0.79	0.84	0.85	0.97	1.06	1.10	0.94	0.94	0.92	0.92
102	0.79	0.84	0.86	1.02	1.08	1.14	0.99	0.99	0.98	0.97
103	0.80	0.84	0.87	1.02	1.09	1.17	1.06	1.06	1.05	1.04
104	0.82	0.85	0.88	1.04	1.12	1.20	1.12	1.13	1.12	1.11
105	0.78	0.88	0.85	1.08	1.15	1.23	1.19	1.20	1.20	1.19
106	0.79	0.88	0.82	1.14	1.18	1.26	1.27	1.27	1.27	1.26
107	0.82	0.86	0.86	1.24	1.22	1.29	1.35	1.35	1.36	1.33
108	0.82	0.90	0.89	1.30	1.28	1.32	1.45	1.44	1.45	1.40
109	0.85	0.94	0.91	1.34	1.32	1.34	1.56	1.53	1.54	1.48

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CANDELA TABULATION - (Cont.)

110	0.89	1.02	0.93	1.38	1.33	1.37	1.66	1.62	1.62	1.55
111	0.96	1.14	0.93	1.41	1.33	1.41	1.76	1.73	1.72	1.63
112	0.97	1.17	0.96	1.44	1.34	1.44	1.86	1.83	1.81	1.73
113	0.94	1.17	1.00	1.47	1.37	1.47	1.97	1.95	1.91	1.83
114	0.91	1.18	1.03	1.49	1.42	1.52	2.08	2.06	2.02	1.94
115	0.88	1.20	1.08	1.52	1.49	1.57	2.20	2.18	2.13	2.05
116	0.89	1.24	1.14	1.54	1.59	1.64	2.35	2.33	2.25	2.15
117	0.97	1.29	1.21	1.57	1.69	1.72	2.49	2.48	2.40	2.26
118	1.04	1.34	1.27	1.60	1.77	1.79	2.64	2.63	2.55	2.43
119	1.08	1.40	1.34	1.63	1.83	1.83	2.77	2.79	2.70	2.59
120	1.13	1.37	1.39	1.66	1.86	1.85	2.94	2.96	2.86	2.76
121	1.20	1.43	1.50	1.68	1.89	1.88	3.16	3.18	3.03	2.94
122	1.23	1.51	1.61	1.71	1.92	1.91	3.40	3.41	3.20	3.11
123	1.27	1.64	1.69	1.75	1.94	1.96	3.65	3.64	3.38	3.28
124	1.33	1.76	1.75	1.79	2.00	2.03	3.93	3.86	3.56	3.46
125	1.40	1.86	1.81	1.83	2.05	2.10	4.18	4.07	3.77	3.63
126	1.47	1.95	1.86	1.90	2.11	2.17	4.42	4.25	3.98	3.81
127	1.55	2.01	1.93	1.99	2.17	2.24	4.64	4.42	4.17	3.98
128	1.62	2.06	1.99	2.09	2.22	2.31	4.86	4.59	4.36	4.15
129	1.70	2.09	2.07	2.17	2.28	2.37	5.03	4.76	4.55	4.29
130	1.78	2.13	2.16	2.22	2.34	2.42	5.19	4.97	4.74	4.44
131	1.86	2.16	2.27	2.26	2.38	2.49	5.36	5.16	4.93	4.59
132	1.92	2.19	2.39	2.28	2.43	2.54	5.53	5.34	5.07	4.74
133	2.00	2.22	2.50	2.32	2.49	2.57	5.71	5.49	5.19	4.93
134	2.06	2.25	2.60	2.38	2.57	2.60	5.89	5.62	5.34	5.13
135	2.13	2.28	2.68	2.46	2.63	2.65	6.01	5.78	5.47	5.33
136	2.16	2.33	2.75	2.55	2.70	2.70	6.17	5.95	5.62	5.52
137	2.19	2.39	2.81	2.67	2.75	2.77	6.32	6.10	5.81	5.69
138	2.23	2.46	2.85	2.78	2.82	2.85	6.49	6.25	5.98	5.85
139	2.28	2.52	2.89	2.88	2.89	2.94	6.67	6.41	6.20	6.03
140	2.33	2.58	2.92	2.94	2.97	3.02	6.87	6.58	6.39	6.18
141	2.39	2.65	2.97	3.01	3.05	3.09	7.10	6.80	6.56	6.32
142	2.45	2.74	3.03	3.07	3.14	3.16	7.33	7.00	6.74	6.46
143	2.51	2.83	3.09	3.12	3.22	3.21	7.53	7.24	6.89	6.63
144	2.58	2.93	3.15	3.19	3.28	3.27	7.74	7.48	7.07	6.77
145	2.66	3.02	3.21	3.25	3.34	3.33	7.91	7.68	7.22	6.91
146	2.75	3.11	3.29	3.31	3.38	3.37	8.08	7.88	7.36	7.01
147	2.86	3.20	3.36	3.38	3.40	3.41	8.25	8.05	7.48	7.15
148	2.97	3.28	3.43	3.44	3.43	3.44	8.38	8.20	7.60	7.29
149	3.09	3.37	3.50	3.51	3.45	3.49	8.50	8.35	7.73	7.40
150	3.21	3.46	3.58	3.57	3.47	3.54	8.65	8.49	7.81	7.50
151	3.32	3.54	3.65	3.63	3.49	3.58	8.75	8.58	7.87	7.57
152	3.45	3.60	3.70	3.72	3.51	3.61	8.83	8.66	7.93	7.64
153	3.57	3.66	3.76	3.79	3.57	3.65	8.85	8.73	8.00	7.70
154	3.69	3.72	3.81	3.86	3.62	3.68	8.95	8.78	8.07	7.74
155	3.81	3.78	3.86	3.92	3.67	3.69	9.02	8.89	8.13	7.77
156	3.93	3.83	3.92	3.97	3.73	3.74	9.11	8.99	8.19	7.79
157	4.06	3.87	3.97	4.00	3.78	3.77	9.19	9.08	8.21	7.86
158	4.16	3.93	4.00	4.02	3.85	3.79	9.32	9.13	8.24	7.87
159	4.25	3.99	4.02	4.04	3.91	3.81	9.38	9.20	8.28	7.84
160	4.32	4.04	4.05	4.04	3.96	3.83	9.40	9.27	8.25	7.78
161	4.38	4.08	4.07	4.03	3.97	3.85	9.35	9.26	8.17	7.72
162	4.44	4.12	4.09	4.02	3.99	3.84	9.30	9.20	8.09	7.65
163	4.51	4.15	4.10	3.99	3.99	3.83	9.16	9.05	8.04	7.53
164	4.55	4.17	4.09	3.95	3.96	3.82	8.94	8.91	7.98	7.40
165	4.57	4.15	4.07	3.93	3.94	3.79	8.77	8.69	7.83	7.29

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CANDELA TABULATION - (Cont.)

166	4.57	4.10	4.03	3.89	3.89	3.75	8.54	8.43	7.70	7.21
167	4.53	4.03	3.95	3.83	3.83	3.69	8.24	8.16	7.56	7.12
168	4.46	3.96	3.86	3.74	3.74	3.59	7.96	7.91	7.42	6.98
169	4.39	3.88	3.77	3.65	3.66	3.50	7.63	7.62	7.23	6.84
170	4.31	3.81	3.71	3.57	3.59	3.43	7.41	7.37	7.12	6.75
171	4.21	3.75	3.67	3.52	3.54	3.37	7.07	7.05	6.88	6.63
172	4.08	3.71	3.63	3.43	3.48	3.27	6.78	6.77	6.66	6.48
173	3.97	3.64	3.62	3.41	3.43	3.20	6.55	6.54	6.49	6.34
174	3.82	3.55	3.66	3.40	3.41	3.12	6.24	6.26	6.26	6.21
175	3.79	3.65	3.82	3.55	3.55	3.23	6.18	6.17	6.15	6.11
176	3.96	3.76	4.10	3.87	3.87	3.48	6.06	6.06	6.04	6.06
177	4.26	3.93	4.36	4.30	4.22	3.80	5.95	5.95	5.95	5.99
178	4.56	4.09	4.62	4.72	4.58	4.12	5.84	5.85	5.85	6.00
179	4.86	4.25	4.88	5.15	4.93	4.44	5.86	5.87	5.64	5.90
180	5.17	5.17	5.17	5.17	5.17	5.17	5.17	5.17	5.17	5.17

**Vert.
Angles**

Horizontal Angles

	<u>150</u>	<u>165</u>	<u>180</u>	<u>195</u>	<u>210</u>	<u>225</u>	<u>240</u>	<u>255</u>	<u>270</u>	<u>285</u>
0	11523.05	11523.05	11523.05	11523.05	11523.05	11523.05	11523.05	11523.05	11523.05	11523.05
1	11525.39	11527.45	11518.90	11516.19	11558.42	11549.11	11524.46	11501.33	11540.86	11545.71
2	11525.95	11517.20	11505.99	11491.79	11552.11	11541.54	11518.48	11526.05	11539.73	11555.10
3	11510.71	11509.89	11478.18	11518.24	11546.13	11508.09	11487.08	11517.05	11497.50	11545.74
4	11493.43	11495.00	11499.30	11504.12	11518.61	11479.11	11482.38	11494.95	11498.30	11528.89
5	11456.30	11481.15	11483.02	11481.01	11476.23	11480.05	11480.46	11449.17	11494.45	11517.21
6	11424.10	11463.07	11461.70	11434.03	11469.97	11487.03	11464.80	11464.04	11485.67	11500.25
7	11429.62	11446.15	11415.21	11427.84	11480.84	11461.38	11451.79	11462.24	11477.09	11486.97
8	11425.97	11420.48	11429.55	11439.13	11457.43	11426.60	11434.07	11448.09	11432.23	11476.96
9	11401.66	11396.65	11408.37	11415.57	11431.42	11403.23	11414.53	11417.52	11399.03	11428.70
10	11354.66	11369.38	11382.80	11382.15	11403.48	11399.45	11384.81	11356.10	11394.86	11416.64
11	11332.30	11340.45	11345.32	11324.91	11377.08	11371.87	11348.41	11317.90	11371.32	11389.71
12	11315.86	11304.12	11278.81	11313.24	11344.52	11320.67	11292.06	11305.63	11337.71	11352.12
13	11270.26	11248.95	11245.24	11253.09	11311.80	11266.37	11261.97	11272.22	11269.37	11312.07
14	11202.46	11226.71	11239.09	11242.57	11280.00	11248.99	11232.50	11231.17	11251.45	11250.48
15	11139.37	11184.71	11189.18	11187.90	11236.54	11223.77	11183.63	11172.99	11233.48	11203.59
16	11105.76	11143.14	11136.03	11116.96	11190.21	11173.40	11123.43	11163.31	11201.34	11193.93
17	11059.24	11087.18	11063.78	11105.84	11141.59	11108.87	11072.89	11127.90	11160.17	11169.67
18	10998.02	11007.78	11052.16	11057.25	11082.95	11051.95	11059.83	11080.96	11081.73	11129.99
19	10916.19	10964.59	11006.18	10999.85	11021.56	11015.11	11027.85	11019.17	11041.76	11049.10
20	10852.26	10943.66	10955.78	10927.89	10958.95	10960.45	10971.80	10933.23	10993.98	10972.97
21	10822.25	10891.75	10891.57	10895.31	10931.37	10902.21	10890.38	10875.52	10930.37	10929.09
22	10779.20	10830.56	10805.14	10817.40	10871.52	10844.11	10816.85	10831.62	10865.41	10874.05
23	10716.65	10758.00	10770.57	10784.15	10808.39	10771.15	10770.76	10761.98	10767.10	10803.66
24	10634.44	10683.76	10699.88	10712.91	10739.83	10705.61	10702.06	10685.27	10706.39	10730.31
25	10574.34	10606.16	10625.97	10635.38	10665.44	10658.71	10609.66	10599.68	10632.82	10650.01
26	10509.13	10521.87	10550.39	10535.76	10584.74	10580.22	10501.79	10490.69	10549.88	10561.42
27	10422.46	10436.20	10471.47	10483.26	10497.19	10478.08	10404.81	10425.71	10431.63	10471.15
28	10331.54	10330.12	10390.47	10402.58	10400.52	10378.50	10329.89	10333.98	10316.68	10369.42
29	10226.61	10263.50	10307.91	10308.04	10302.62	10299.12	10248.46	10224.55	10229.48	10241.49
30	10140.46	10180.30	10219.70	10189.18	10240.32	10223.29	10152.47	10094.26	10130.48	10137.99
31	10055.69	10085.96	10132.33	10110.20	10152.46	10115.80	10041.77	9993.70	10005.01	10027.40
32	9949.72	9990.58	10033.91	10044.67	10054.17	9996.67	9930.39	9863.24	9841.52	9896.51
33	9822.31	9891.05	9929.34	9935.38	9946.41	9880.55	9809.64	9716.26	9703.07	9735.97
34	9711.14	9782.55	9818.11	9802.04	9830.93	9787.10	9676.04	9532.00	9545.57	9565.54
35	9611.95	9673.02	9699.10	9702.47	9750.27	9668.15	9517.51	9368.44	9370.67	9414.81
36	9501.39	9551.82	9555.67	9616.71	9631.51	9538.54	9359.67	9211.76	9192.42	9255.39

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37	9356.33	9411.92	9438.66	9495.14	9507.14	9390.98	9219.28	9035.67	9004.33	9072.86
38	9227.82	9282.37	9350.04	9371.58	9375.74	9251.11	9055.24	8841.65	8790.72	8866.01
39	9107.74	9179.01	9226.24	9241.61	9232.35	9124.42	8868.44	8626.71	8600.85	8654.32
40	8962.17	9052.69	9096.72	9097.57	9083.77	8970.32	8660.88	8420.68	8396.48	8470.23
41	8814.04	8914.63	8963.43	8991.56	8935.59	8792.63	8473.18	8235.92	8169.99	8268.87
42	8660.02	8750.53	8823.17	8853.89	8782.53	8602.41	8282.57	8009.14	7912.31	8045.18
43	8497.98	8611.37	8676.01	8698.40	8619.87	8434.54	8078.76	7766.13	7663.69	7787.51
44	8326.63	8465.45	8521.31	8518.31	8457.19	8256.84	7865.41	7505.03	7437.87	7536.24
45	8155.18	8284.91	8354.45	8360.08	8317.70	8049.05	7629.32	7263.80	7220.59	7310.24
46	7985.24	8122.28	8170.32	8196.38	8147.44	7828.07	7388.48	7048.36	7001.51	7065.61
47	7794.05	7943.17	8026.19	8049.79	7959.49	7599.70	7162.83	6834.34	6788.69	6855.69
48	7582.67	7776.92	7853.40	7872.13	7758.55	7377.10	6923.22	6624.72	6597.15	6661.77
49	7363.11	7599.93	7671.10	7687.38	7571.28	7166.52	6670.11	6417.84	6400.52	6455.44
50	7155.60	7405.28	7479.83	7498.93	7386.59	6940.62	6421.01	6210.71	6202.30	6253.49
51	6939.11	7203.59	7273.23	7302.67	7171.00	6706.84	6185.34	5995.20	5993.94	6052.19
52	6701.45	6986.66	7087.37	7097.40	6944.01	6465.61	5978.70	5788.82	5791.41	5835.81
53	6452.14	6785.18	6882.40	6881.84	6700.13	6229.64	5773.05	5591.45	5608.61	5625.18
54	6206.54	6572.71	6665.35	6646.78	6473.36	5973.49	5550.33	5395.82	5417.72	5434.58
55	5967.01	6345.23	6428.61	6434.27	6246.96	5709.17	5324.62	5212.15	5210.69	5240.13
56	5716.13	6106.99	6207.61	6227.74	5997.33	5440.62	5111.59	4994.54	4984.87	5029.16
57	5453.97	5870.92	6002.66	5998.70	5735.58	5187.92	4899.04	4776.93	4753.65	4803.91
58	5204.90	5650.35	5777.55	5760.03	5467.94	4951.00	4686.48	4559.30	4533.55	4565.00
59	4962.88	5412.51	5538.54	5507.36	5219.39	4714.07	4473.69	4332.70	4311.43	4339.07
60	4720.85	5158.51	5296.60	5272.52	4971.90	4477.14	4247.50	4113.66	4080.21	4117.26
61	4478.72	4913.78	5047.44	5033.48	4724.41	4236.40	4027.74	3886.55	3830.96	3886.10
62	4221.12	4669.04	4810.62	4794.43	4476.55	4011.49	3807.20	3644.90	3580.46	3637.60
63	3967.08	4424.24	4573.62	4555.20	4216.15	3782.12	3580.23	3398.73	3356.39	3391.76
64	3717.14	4169.46	4311.46	4297.14	3971.69	3561.42	3349.40	3166.99	3132.51	3173.62
65	3477.92	3905.73	4043.83	4043.43	3717.24	3342.76	3116.81	2948.44	2902.63	2951.87
66	3234.22	3639.95	3798.88	3783.11	3458.07	3123.15	2897.23	2726.35	2682.31	2732.29
67	2993.63	3381.93	3552.81	3528.82	3205.37	2908.45	2685.08	2513.59	2472.67	2512.62
68	2761.36	3139.26	3305.89	3269.52	2972.12	2694.74	2472.93	2308.62	2287.58	2326.28
69	2544.47	2902.51	3058.80	3027.19	2739.50	2485.65	2260.60	2121.64	2102.69	2140.31
70	2339.13	2669.85	2818.09	2796.03	2514.26	2283.66	2060.57	1945.69	1917.81	1954.34
71	2134.38	2434.90	2595.36	2558.93	2294.87	2087.80	1881.02	1771.28	1741.28	1778.30
72	1938.96	2220.84	2374.99	2335.03	2080.02	1901.48	1712.08	1603.14	1573.88	1608.32
73	1754.28	2017.18	2161.89	2121.77	1880.09	1719.15	1544.67	1435.13	1414.65	1446.11
74	1580.49	1811.42	1949.79	1914.75	1695.11	1542.97	1386.59	1281.61	1261.38	1293.24
75	1414.11	1617.70	1748.43	1714.27	1515.98	1372.93	1230.47	1133.04	1107.33	1144.05
76	1255.26	1439.71	1560.62	1521.66	1351.27	1217.19	1089.19	992.21	972.87	1002.58
77	1100.75	1271.81	1379.18	1339.12	1191.12	1069.37	953.31	864.72	846.14	872.95
78	963.30	1109.98	1205.06	1165.33	1040.21	931.46	823.85	744.75	736.69	753.79
79	829.93	960.30	1040.72	1008.92	901.19	799.96	704.12	640.68	632.34	648.77
80	705.71	821.15	889.22	864.90	770.09	680.07	597.82	553.56	537.91	552.79
81	597.24	686.93	747.47	727.58	648.03	578.86	509.31	466.44	450.50	463.81
82	488.76	570.27	624.03	609.30	543.45	477.64	420.95	379.66	369.74	381.47
83	380.88	453.61	500.60	491.02	438.87	376.45	339.47	306.03	297.12	306.82
84	291.73	337.49	377.64	373.18	334.80	299.01	266.07	237.69	228.94	236.60
85	208.88	241.71	272.76	271.76	249.91	225.01	198.95	176.63	174.52	188.20
86	138.83	160.28	182.37	184.38	175.46	160.84	140.32	124.85	120.54	139.83
87	104.24	114.06	125.26	127.27	112.64	102.02	94.11	92.18	91.52	91.46
88	69.65	67.83	68.14	70.15	68.42	68.72	64.13	69.11	71.79	70.30
89	35.05	21.81	11.39	13.30	24.37	35.54	34.14	46.03	19.70	19.36
90	0.56	0.57	0.58	6.86	12.31	17.81	4.99	22.96	14.88	14.74
91	0.58	0.59	0.60	0.57	0.56	0.52	0.49	0.47	10.21	10.13
92	0.60	0.62	0.63	0.60	0.58	0.54	0.51	0.49	5.54	5.52

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93	0.63	0.65	0.66	0.63	0.60	0.57	0.54	0.52	0.87	0.92
94	0.67	0.66	0.68	0.66	0.63	0.60	0.57	0.55	0.78	0.83
95	0.69	0.68	0.70	0.67	0.66	0.64	0.61	0.59	0.83	0.88
96	0.71	0.68	0.71	0.68	0.68	0.68	0.66	0.64	0.88	0.93
97	0.73	0.68	0.72	0.69	0.69	0.72	0.70	0.68	0.94	0.98
98	0.74	0.68	0.73	0.70	0.71	0.75	0.75	0.73	0.98	1.04
99	0.76	0.68	0.74	0.70	0.72	0.77	0.79	0.78	1.02	1.10
100	0.79	0.70	0.76	0.72	0.74	0.81	0.83	0.83	1.05	1.14
101	0.84	0.74	0.79	0.75	0.77	0.85	0.88	0.88	1.08	1.18
102	0.90	0.79	0.83	0.79	0.82	0.91	0.93	0.94	1.12	1.21
103	0.95	0.85	0.89	0.84	0.87	0.97	0.99	1.00	1.15	1.24
104	1.00	0.91	0.95	0.90	0.94	1.04	1.05	1.07	1.18	1.26
105	1.03	0.98	1.01	0.95	0.98	1.11	1.12	1.13	1.21	1.29
106	1.02	1.04	1.07	1.00	1.00	1.19	1.20	1.20	1.25	1.32
107	1.02	1.05	1.14	1.01	1.01	1.28	1.27	1.28	1.30	1.36
108	1.08	1.05	1.13	1.00	1.04	1.36	1.35	1.37	1.34	1.39
109	1.19	1.09	1.09	1.02	1.13	1.44	1.45	1.47	1.36	1.43
110	1.32	1.20	1.17	1.09	1.24	1.51	1.55	1.57	1.39	1.47
111	1.47	1.31	1.31	1.20	1.36	1.59	1.66	1.67	1.42	1.52
112	1.62	1.41	1.45	1.31	1.48	1.68	1.77	1.78	1.44	1.56
113	1.76	1.54	1.55	1.43	1.62	1.79	1.87	1.89	1.47	1.61
114	1.89	1.70	1.66	1.57	1.74	1.91	1.97	2.02	1.48	1.65
115	2.00	1.83	1.79	1.72	1.86	2.03	2.08	2.16	1.50	1.68
116	2.10	1.94	1.85	1.85	1.99	2.14	2.20	2.30	1.52	1.72
117	2.21	2.07	1.95	1.98	2.11	2.25	2.36	2.44	1.54	1.76
118	2.36	2.19	2.09	2.12	2.23	2.40	2.52	2.58	1.57	1.81
119	2.52	2.26	2.20	2.24	2.37	2.54	2.68	2.72	1.60	1.86
120	2.67	2.34	2.27	2.34	2.52	2.69	2.86	2.88	1.63	1.91
121	2.83	2.43	2.32	2.45	2.67	2.88	3.07	3.10	1.67	1.95
122	2.97	2.53	2.36	2.57	2.84	3.05	3.26	3.33	1.71	1.99
123	3.11	2.62	2.48	2.69	3.02	3.21	3.45	3.57	1.75	2.04
124	3.24	2.72	2.59	2.83	3.20	3.38	3.65	3.79	1.80	2.08
125	3.38	2.91	2.71	3.05	3.39	3.55	3.84	4.00	1.86	2.11
126	3.55	3.18	2.91	3.36	3.60	3.75	4.04	4.19	1.92	2.15
127	3.72	3.48	3.26	3.67	3.79	3.94	4.23	4.38	1.97	2.18
128	3.92	3.73	3.61	3.93	4.00	4.13	4.41	4.60	2.03	2.21
129	4.12	3.89	3.90	4.11	4.18	4.31	4.58	4.79	2.09	2.24
130	4.30	4.04	4.07	4.27	4.35	4.50	4.73	4.97	2.17	2.27
131	4.48	4.18	4.19	4.45	4.50	4.67	4.87	5.13	2.25	2.29
132	4.63	4.30	4.29	4.62	4.66	4.85	5.03	5.30	2.31	2.32
133	4.80	4.40	4.37	4.78	4.80	5.02	5.20	5.45	2.34	2.34
134	4.96	4.48	4.48	4.92	4.94	5.18	5.37	5.58	2.37	2.36
135	5.12	4.56	4.59	5.02	5.07	5.37	5.55	5.71	2.41	2.37
136	5.30	4.63	4.66	5.09	5.21	5.56	5.75	5.87	2.47	2.40
137	5.46	4.71	4.73	5.17	5.34	5.73	5.94	6.07	2.52	2.42
138	5.62	4.77	4.79	5.24	5.48	5.88	6.14	6.31	2.56	2.44
139	5.77	4.84	4.88	5.30	5.63	6.06	6.36	6.54	2.61	2.46
140	5.91	4.92	4.96	5.36	5.77	6.25	6.55	6.77	2.70	2.50
141	6.04	5.01	5.05	5.44	5.91	6.41	6.75	7.01	2.79	2.55
142	6.20	5.11	5.14	5.55	6.05	6.57	6.94	7.26	2.87	2.58
143	6.33	5.22	5.25	5.67	6.21	6.72	7.13	7.52	2.92	2.62
144	6.46	5.34	5.38	5.78	6.37	6.87	7.35	7.74	2.95	2.66
145	6.59	5.48	5.51	5.91	6.54	7.06	7.54	7.95	2.98	2.70
146	6.73	5.64	5.65	6.07	6.71	7.23	7.73	8.14	3.00	2.74
147	6.87	5.80	5.79	6.26	6.89	7.40	7.91	8.35	3.01	2.78
148	7.00	5.95	5.93	6.44	7.05	7.55	8.08	8.53	3.02	2.82

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

149	7.12	6.09	6.08	6.60	7.21	7.71	8.25	8.69	3.04	2.85
150	7.22	6.24	6.21	6.74	7.38	7.91	8.42	8.81	3.08	2.88
151	7.34	6.38	6.33	6.88	7.55	8.05	8.57	8.95	3.12	2.92
152	7.44	6.51	6.45	7.04	7.73	8.20	8.70	9.09	3.17	2.96
153	7.53	6.63	6.57	7.18	7.91	8.33	8.82	9.20	3.22	2.97
154	7.59	6.73	6.69	7.31	8.04	8.48	8.95	9.28	3.29	2.98
155	7.65	6.85	6.79	7.42	8.17	8.60	9.07	9.36	3.36	3.00
156	7.69	6.93	6.87	7.52	8.30	8.72	9.17	9.47	3.44	3.03
157	7.70	6.98	6.95	7.61	8.42	8.84	9.27	9.57	3.50	3.06
158	7.68	6.99	7.04	7.69	8.52	8.90	9.38	9.64	3.54	3.09
159	7.66	7.00	7.10	7.71	8.57	9.02	9.45	9.68	3.56	3.11
160	7.61	7.00	7.13	7.73	8.63	9.13	9.49	9.80	3.58	3.14
161	7.58	6.98	7.14	7.73	8.66	9.15	9.49	9.92	3.60	3.18
162	7.49	6.93	7.13	7.71	8.68	9.12	9.47	9.98	3.61	3.20
163	7.38	6.88	7.12	7.67	8.68	9.13	9.45	9.95	3.60	3.20
164	7.24	6.82	7.07	7.59	8.69	9.12	9.37	9.83	3.60	3.20
165	7.12	6.74	7.00	7.49	8.63	9.07	9.27	9.66	3.58	3.19
166	7.00	6.66	6.91	7.38	8.54	9.01	9.18	9.52	3.54	3.18
167	6.85	6.56	6.83	7.29	8.40	8.92	9.11	9.34	3.48	3.14
168	6.68	6.44	6.75	7.21	8.19	8.77	8.96	9.10	3.38	3.07
169	6.53	6.30	6.61	7.11	8.04	8.62	8.78	8.83	3.29	2.97
170	6.50	6.27	6.58	7.01	8.00	8.54	8.66	8.67	3.20	2.87
171	6.33	6.12	6.41	6.81	7.76	8.22	8.38	8.29	3.08	2.78
172	6.16	5.95	6.29	6.59	7.44	7.89	8.10	7.90	2.98	2.68
173	6.05	5.85	6.18	6.39	7.10	7.59	7.83	7.46	2.92	2.57
174	5.93	5.80	5.99	6.11	6.75	7.26	7.49	7.17	2.85	2.52
175	5.90	5.78	5.88	5.88	6.45	7.02	7.23	6.97	3.01	2.75
176	5.90	5.75	5.65	5.70	6.16	6.74	6.99	6.81	3.36	3.07
177	5.95	5.63	5.44	5.48	5.85	6.38	6.74	6.61	3.63	3.47
178	5.88	5.42	5.21	5.20	5.43	5.95	6.36	6.47	3.90	3.92
179	5.60	5.18	4.94	4.92	5.07	5.52	5.84	6.22	4.17	4.37
180	5.17	5.17	5.17	5.17	5.17	5.17	5.17	5.17	5.17	5.17

Vert. Angles	Horizontal Angles				
	<u>300</u>	<u>315</u>	<u>330</u>	<u>345</u>	<u>360</u>
0	11523.05	11523.05	11523.05	11523.05	11523.05
1	11529.61	11532.59	11541.54	11502.86	11520.88
2	11529.78	11513.02	11545.28	11523.58	11481.32
3	11517.28	11510.57	11541.39	11526.04	11503.67
4	11501.95	11510.52	11509.47	11514.95	11504.88
5	11457.96	11498.18	11492.41	11487.90	11492.54
6	11422.77	11478.12	11493.45	11490.99	11478.00
7	11430.03	11438.09	11474.19	11474.85	11462.71
8	11434.92	11417.35	11436.88	11452.01	11439.63
9	11424.03	11414.18	11389.42	11429.08	11416.00
10	11374.38	11399.47	11378.14	11404.86	11392.56
11	11325.26	11376.37	11355.95	11372.94	11329.58
12	11307.50	11348.18	11323.10	11339.94	11326.63
13	11281.39	11307.84	11290.21	11308.71	11300.32
14	11242.55	11265.42	11257.67	11272.01	11268.53
15	11201.28	11217.76	11242.63	11232.24	11227.93
16	11140.62	11156.13	11204.23	11187.08	11151.10
17	11111.88	11081.79	11159.83	11140.10	11128.96
18	11083.09	11053.11	11096.23	11086.73	11086.38
19	11038.71	11005.60	11032.85	11033.05	11035.32

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CANDELA TABULATION - (Cont.)

20	10964.78	10959.90	10990.10	10988.93	10984.22
21	10887.85	10926.75	10931.01	10933.14	10894.76
22	10843.98	10856.04	10851.18	10876.28	10863.38
23	10793.26	10787.43	10771.36	10814.54	10808.91
24	10723.68	10732.90	10728.05	10750.06	10742.33
25	10631.13	10664.18	10669.06	10653.63	10638.09
26	10557.20	10568.22	10599.39	10603.48	10552.40
27	10482.56	10462.91	10516.07	10529.74	10506.56
28	10393.05	10392.55	10427.83	10444.87	10430.04
29	10273.36	10326.48	10358.49	10321.36	10345.13
30	10175.31	10240.87	10273.28	10227.21	10254.86
31	10080.25	10145.93	10177.21	10162.50	10134.68
32	9965.77	10044.63	10066.64	10070.43	10063.45
33	9837.68	9934.19	9933.39	9972.80	9975.78
34	9702.56	9816.03	9833.78	9837.96	9874.51
35	9537.90	9696.98	9744.84	9729.34	9768.60
36	9385.37	9550.77	9633.53	9639.30	9622.64
37	9235.63	9408.49	9503.95	9524.63	9520.13
38	9065.68	9282.70	9361.33	9394.84	9403.13
39	8864.44	9133.82	9230.49	9239.66	9277.62
40	8654.62	8960.61	9099.84	9102.50	9119.29
41	8472.13	8773.21	8951.02	8995.89	8977.23
42	8280.91	8606.39	8812.55	8863.92	8860.91
43	8077.95	8437.51	8649.09	8719.72	8721.65
44	7857.94	8240.10	8502.74	8543.43	8565.05
45	7637.03	8034.39	8339.11	8404.85	8382.23
46	7385.89	7805.44	8152.11	8239.48	8233.65
47	7144.41	7581.34	7952.60	8066.64	8043.65
48	6906.42	7371.89	7767.21	7865.77	7884.48
49	6651.40	7143.04	7584.20	7675.53	7706.71
50	6416.07	6907.36	7382.88	7508.85	7519.96
51	6200.28	6667.49	7161.73	7315.69	7324.47
52	5982.60	6431.32	6926.24	7110.40	7119.32
53	5765.65	6177.50	6703.25	6879.03	6913.90
54	5535.25	5920.09	6465.12	6660.09	6678.56
55	5316.31	5649.16	6210.73	6456.02	6455.48
56	5107.84	5386.41	5956.67	6234.92	6251.16
57	4893.30	5143.03	5682.93	6004.91	6011.85
58	4670.03	4910.28	5431.64	5769.02	5792.78
59	4442.73	4675.04	5175.07	5510.57	5545.36
60	4223.92	4433.18	4913.66	5261.07	5300.17
61	4001.14	4188.68	4658.08	5030.15	5075.78
62	3769.56	3958.68	4394.31	4780.44	4835.71
63	3547.07	3732.93	4133.24	4513.50	4590.55
64	3319.26	3511.24	3884.19	4262.32	4341.37
65	3088.75	3288.74	3638.06	4014.80	4075.08
66	2868.81	3080.93	3385.11	3765.04	3832.40
67	2658.95	2866.47	3144.58	3513.23	3581.80
68	2447.51	2660.26	2916.09	3251.39	3324.15
69	2257.78	2455.29	2699.82	3010.16	3079.09
70	2068.66	2266.52	2477.47	2764.58	2828.41
71	1879.54	2077.91	2274.61	2529.92	2603.03
72	1705.46	1889.31	2072.47	2315.10	2384.08
73	1539.54	1712.02	1870.32	2100.92	2176.72
74	1380.81	1537.84	1682.24	1886.75	1969.71
75	1230.66	1373.35	1511.73	1690.31	1762.69

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

76	1092.91	1222.09	1342.10	1498.84	1569.41
77	956.27	1070.63	1186.23	1314.77	1381.14
78	827.84	931.08	1035.99	1148.84	1207.78
79	706.07	797.74	895.34	992.77	1038.99
80	599.85	677.36	763.66	851.85	887.32
81	503.80	566.92	639.36	714.50	741.87
82	418.64	462.24	521.02	585.85	607.15
83	337.55	370.13	414.43	462.68	478.27
84	262.86	290.11	320.34	348.83	360.95
85	205.33	219.07	235.24	249.89	258.97
86	148.30	154.50	171.44	179.91	184.17
87	91.27	90.00	107.91	110.21	109.69
88	67.80	54.12	44.37	40.50	35.21
89	17.62	12.36	29.75	20.64	17.99
90	12.39	8.61	15.43	0.94	0.96
91	8.58	6.06	1.11	0.81	0.80
92	4.76	3.51	0.87	0.84	0.82
93	0.95	0.96	0.91	0.84	0.84
94	0.88	0.94	0.94	0.85	0.84
95	0.94	0.99	0.98	0.84	0.84
96	1.00	1.05	1.01	0.83	0.84
97	1.05	1.10	1.05	0.81	0.85
98	1.11	1.15	1.07	0.77	0.84
99	1.16	1.19	1.10	0.74	0.83
100	1.21	1.23	1.12	0.74	0.80
101	1.26	1.28	1.15	0.73	0.79
102	1.30	1.32	1.18	0.68	0.79
103	1.33	1.37	1.21	0.72	0.80
104	1.37	1.41	1.23	0.78	0.82
105	1.41	1.45	1.25	0.87	0.78
106	1.43	1.48	1.28	0.95	0.79
107	1.45	1.52	1.31	1.01	0.82
108	1.48	1.54	1.35	1.09	0.82
109	1.51	1.57	1.39	1.17	0.85
110	1.54	1.61	1.43	1.24	0.89
111	1.56	1.66	1.47	1.28	0.96
112	1.58	1.71	1.53	1.32	0.97
113	1.62	1.76	1.58	1.36	0.94
114	1.66	1.81	1.63	1.41	0.91
115	1.71	1.86	1.68	1.47	0.88
116	1.77	1.90	1.73	1.53	0.89
117	1.83	1.95	1.79	1.60	0.97
118	1.90	1.99	1.85	1.66	1.04
119	1.96	2.04	1.91	1.71	1.08
120	2.02	2.09	1.96	1.75	1.13
121	2.08	2.14	2.03	1.80	1.20
122	2.13	2.20	2.10	1.85	1.23
123	2.18	2.25	2.17	1.90	1.27
124	2.24	2.30	2.24	1.95	1.33
125	2.29	2.35	2.32	2.03	1.40
126	2.33	2.40	2.40	2.12	1.47
127	2.38	2.45	2.48	2.22	1.55
128	2.43	2.50	2.55	2.30	1.62
129	2.48	2.56	2.63	2.36	1.70
130	2.52	2.63	2.70	2.44	1.78
131	2.57	2.69	2.79	2.50	1.86

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

132	2.62	2.75	2.87	2.57	1.92
133	2.68	2.80	2.94	2.63	2.00
134	2.73	2.85	3.00	2.69	2.06
135	2.78	2.91	3.06	2.74	2.13
136	2.83	2.98	3.13	2.79	2.16
137	2.88	3.05	3.19	2.86	2.19
138	2.94	3.12	3.25	2.92	2.23
139	2.99	3.18	3.29	2.98	2.28
140	3.04	3.23	3.34	3.03	2.33
141	3.08	3.28	3.39	3.10	2.39
142	3.12	3.32	3.43	3.15	2.45
143	3.18	3.38	3.46	3.22	2.51
144	3.23	3.44	3.50	3.28	2.58
145	3.28	3.50	3.55	3.33	2.66
146	3.31	3.55	3.59	3.41	2.75
147	3.35	3.59	3.61	3.48	2.86
148	3.39	3.64	3.66	3.55	2.97
149	3.43	3.69	3.70	3.63	3.09
150	3.47	3.74	3.76	3.70	3.21
151	3.52	3.80	3.81	3.78	3.32
152	3.57	3.85	3.87	3.87	3.45
153	3.61	3.90	3.92	3.95	3.57
154	3.64	3.95	3.97	4.03	3.69
155	3.67	3.99	4.04	4.11	3.81
156	3.72	4.04	4.10	4.21	3.93
157	3.75	4.07	4.16	4.30	4.06
158	3.77	4.09	4.22	4.38	4.16
159	3.79	4.10	4.27	4.45	4.25
160	3.81	4.11	4.31	4.52	4.32
161	3.82	4.13	4.36	4.61	4.38
162	3.84	4.14	4.39	4.69	4.44
163	3.84	4.15	4.42	4.75	4.51
164	3.83	4.16	4.45	4.79	4.55
165	3.81	4.16	4.47	4.83	4.57
166	3.77	4.13	4.49	4.86	4.57
167	3.73	4.10	4.48	4.82	4.53
168	3.65	4.05	4.44	4.74	4.46
169	3.56	3.96	4.39	4.64	4.39
170	3.46	3.88	4.32	4.56	4.31
171	3.37	3.80	4.23	4.47	4.21
172	3.31	3.72	4.10	4.33	4.08
173	3.25	3.66	3.97	4.15	3.97
174	3.23	3.62	3.86	3.95	3.82
175	3.33	3.72	3.89	3.90	3.79
176	3.64	3.92	4.09	4.01	3.96
177	4.05	4.29	4.33	4.17	4.26
178	4.47	4.66	4.57	4.33	4.56
179	4.88	5.03	4.81	4.49	4.86
180	5.17	5.17	5.17	5.17	5.17

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C65-2-LSSC-ED-1-PCWD_4000K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4252.2	13.60	13.60
0-30	9134.37	29.30	29.30
0-40	15079.34	48.30	48.30
0-60	26154.69	83.80	83.80
0-80	30926.39	99.10	99.10
0-90	31197.65	99.90	99.90
10-90	30105.48	96.40	96.40
20-40	10827.14	34.70	34.70
20-50	16835.15	53.90	53.90
40-70	14389.15	46.10	46.10
60-80	4771.7	15.30	15.30
70-80	1457.9	4.70	4.70
80-90	271.26	0.90	0.90
90-110	2.57	0.00	0.00
90-120	4.31	0.00	0.00
90-130	6.80	0.00	0.00
90-150	12.98	0.00	0.00
90-180	17.92	0.10	0.10
110-180	15.35	0.00	0.00
0-180	31215.57	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1092.17
10-20	3160.03
20-30	4882.17
30-40	5944.97
40-50	6008.01
50-60	5067.34
60-70	3313.8
70-80	1457.9
80-90	271.26
90-100	1.40
100-110	1.17
110-120	1.74
120-130	2.50
130-140	3.05
140-150	3.13
150-160	2.73
160-170	1.71
170-180	0.49

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C65-2-LSSC-ED-1-PCWD_4000K.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86
2	100	92	86	81	98	91	85	80	87	82	78	84	80	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	54	49	60	53	48	58	52	48	46
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C65-2-LSSC-ED-1-PCWD_4000K.IES

UGR TABLE - CORRECTED

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	27.4	29.0	27.7	29.3	29.6	25.5	27.1	25.9	27.4	27.8
	3H	28.8	30.2	29.2	30.6	30.9	26.6	28.0	27.0	28.3	28.7
	4H	29.2	30.6	29.6	30.9	31.3	26.8	28.2	27.2	28.5	28.9
	6H	29.5	30.7	29.9	31.1	31.5	27.0	28.2	27.4	28.6	29.0
	8H	29.5	30.7	30.0	31.1	31.5	27.0	28.2	27.4	28.5	28.9
	12H	29.5	30.7	30.0	31.1	31.5	27.0	28.1	27.4	28.5	28.9

UGR Viewed Endwise

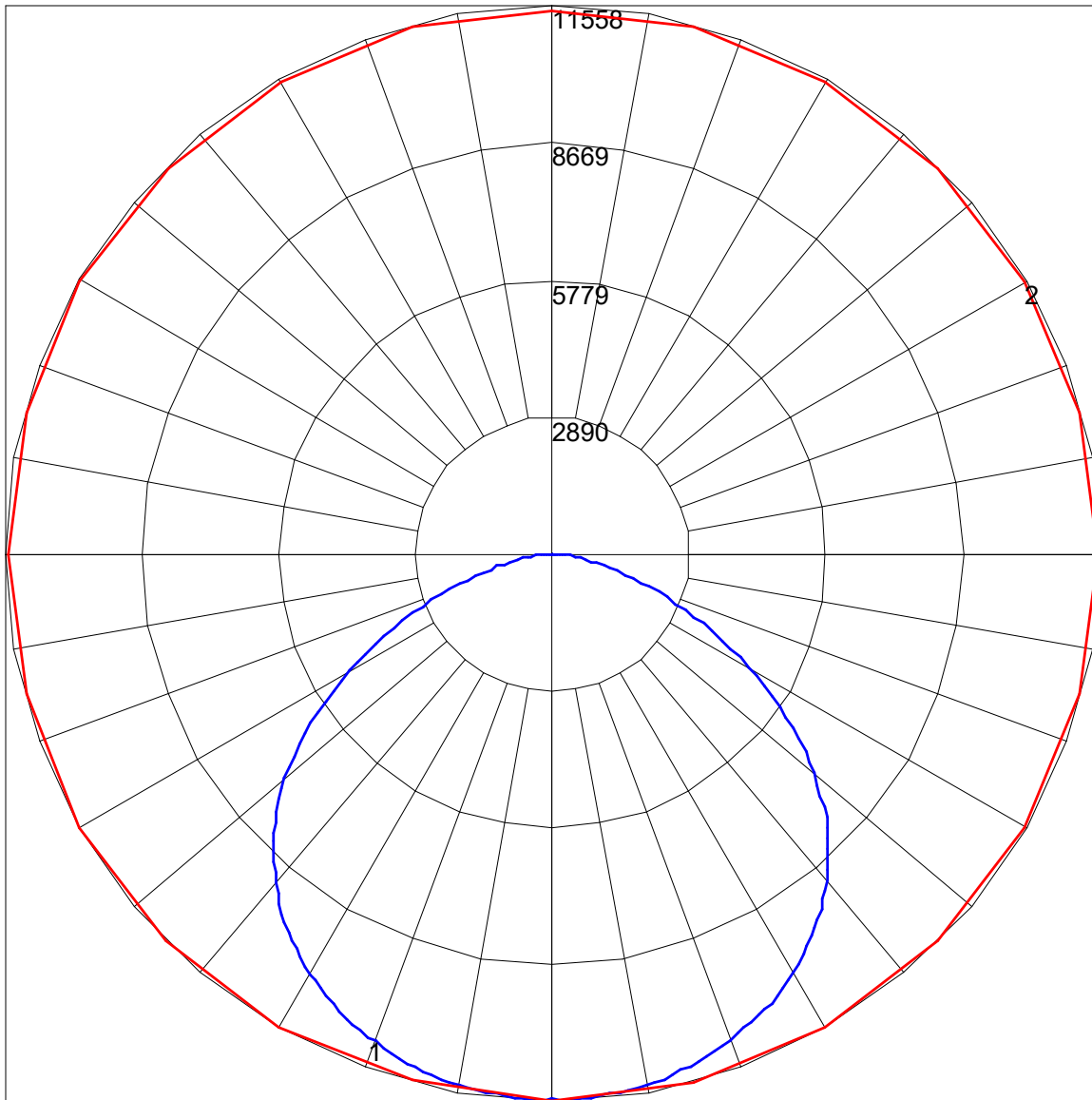
4H	2H	27.7	29.0	28.1	29.4	29.7	26.1	27.5	26.5	27.8	28.2
	3H	29.3	30.4	29.7	30.8	31.2	27.3	28.4	27.7	28.8	29.2
	4H	29.8	30.8	30.3	31.2	31.7	27.7	28.7	28.1	29.1	29.5
	6H	30.2	31.0	30.6	31.5	31.9	27.9	28.7	28.3	29.2	29.6
	8H	30.2	31.1	30.7	31.5	32.0	27.9	28.7	28.3	29.1	29.6
	12H	30.3	31.0	30.8	31.5	32.0	27.9	28.6	28.4	29.1	29.5

8H	4H	29.9	30.7	30.4	31.2	31.6	27.9	28.7	28.3	29.1	29.6
	6H	30.3	31.0	30.8	31.5	31.9	28.1	28.8	28.6	29.3	29.8
	8H	30.4	31.0	30.9	31.5	32.0	28.2	28.8	28.7	29.3	29.8
	12H	30.5	31.0	31.0	31.5	32.1	28.2	28.7	28.7	29.2	29.8

12H	4H	29.9	30.6	30.4	31.1	31.6	27.9	28.6	28.4	29.1	29.6
	6H	30.3	30.9	30.8	31.4	31.9	28.1	28.7	28.7	29.2	29.7
	8H	30.4	30.9	30.9	31.4	32.0	28.2	28.7	28.7	29.2	29.8

Maximum UGR = 32.1

POLAR GRAPH



Maximum Candela = 11558.42 Located At Horizontal Angle = 210, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (210 - 30) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)